#### Test Bank for Managing for Quality and Performance Excellence 10th Edition by Evans

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### Chapter 2 - Foundations of Quality Management

1. Deming laid out a "quality improvement program" for companies such as Ford, GM, and Procter & Gamble, when invited to work with them to improve their quality.

a. True

b. False

ANSWER: False

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.01 The Deming Philosophy

KEYWORDS: Bloom's: Knowledge

2. Unlike other management gurus and consultants, Deming defined and described quality precisely.

a. True

b. False

ANSWER: False

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.01 The Deming Philosophy

KEYWORDS: Bloom's: Knowledge

3. Deming stressed that the highest levels of operational staff in an organization must assume the overriding responsibility for quality management.

a. True

b. False

ANSWER: True

DIFFICULTY: Difficulty: Moderate ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.01 The Deming Philosophy

KEYWORDS: Bloom's: Knowledge

4. Improvements in operations are achieved by reducing the causes and impacts of variation.

a. True

b. False

ANSWER: True

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.01 The Deming Philosophy

5. Deming emphasized that knowledge is not possible without theory, and experience alone does not establish a theory.

a. True

b. False

ANSWER: True

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.01 The Deming Philosophy

KEYWORDS: Bloom's: Knowledge

6. Unlike Deming, however, Juran proposed a major cultural change in the organization, and did not take up improving quality by working within the system familiar to managers.

a. True

b. False

ANSWER: False

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.02 The Juran Philosophy

KEYWORDS: Bloom's: Knowledge

7. Juran advocated the use of quality cost accounting and analysis to focus attention on quality problems.

a. True

b. False

ANSWER: True

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.02 The Juran Philosophy

KEYWORDS: Bloom's: Knowledge

8. Juran agreed with Deming's policy which stated that fear can bring out the best in people.

a. True

b. False

ANSWER: True

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.02 The Juran Philosophy

9. According to Crosby, quality is judged solely on whether requirements have been met, and nonconformance is the absence of quality.

a. True

b. False

ANSWER: True

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.03 The Crosby Philosophy

KEYWORDS: Bloom's: Knowledge

10. Crosby's philosophy demonstrates that quality management practices will not save, but cost money.

a. True

b. False

ANSWER: False

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.03 The Crosby Philosophy

KEYWORDS: Bloom's: Knowledge

11. Dr. Kaoru Ishikawa, a quality philosopher, is best known for coining the phrase, "total quality control."

a. True

b. False

ANSWER: False

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.04 Other Quality Philosophers

KEYWORDS: Bloom's: Knowledge

12. A. V. Feigenbaum, a quality philosopher, promoted the use of quality costs as a measurement and evaluation tool.

a. True

b. False

ANSWER: True

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.04 Other Quality Philosophers

13. Dr. Kaoru Ishikawa, a quality philosopher, advocated collecting and analyzing factual data using simple visual tools, statistical techniques, and teamwork as the foundations for implementing total quality.

a. True

b. False

ANSWER: True

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.04 Other Quality Philosophers

KEYWORDS: Bloom's: Knowledge

14. According to Dr. Ishikawa's philosophy, data with dispersion information are false data.

a. True

b. False

ANSWER: False

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.04 Other Quality Philosophers

KEYWORDS: Bloom's: Knowledge

15. According to Dr. Ishikawa's philosophy, the ideal state of quality control occurs when inspection becomes necessary.

a. True

b. False

ANSWER: False

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.04 Other Quality Philosophers

KEYWORDS: Bloom's: Knowledge

16. The total quality philosophy was initially based on only one principle—customer focus.

a. True

b. False

ANSWER: False

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC:** Operations Management

TOPICS: DESC.EVAB.17.02.05 Principles, Practices, and Techniques of Quality

Management

17. One of the most important quality management techniques is basic statistics.

a. True

b. False

ANSWER: True

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.05 Principles, Practices, and Techniques of Quality

Management

KEYWORDS: Bloom's: Knowledge

18. Setting simple goals and targets is one of the practices that are used for implementing leadership as a quality management principle.

a. True

b. False

ANSWER: False

DIFFICULTY: Difficulty: Moderate ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC:** Operations Management

TOPICS: DESC.EVAB.17.02.05 Principles, Practices, and Techniques of Quality

Management

KEYWORDS: Bloom's: Knowledge

19. Variation in a production process decreases capacity utilization.

a. True

b. False

ANSWER: True

DIFFICULTY: Difficulty: Easy
ACCREDITING STANDARDS: BUSPROG: Analytic

DISC: Operations Management

TOPICS: DESC.EVAB.17.02.06 Variation and Statistical Thinking

KEYWORDS: Bloom's: Knowledge

20. Variation in a production process makes it easier to find the root cause of the process issues.

a. True

b. False

ANSWER: False

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.06 Variation and Statistical Thinking

21. Common causes of variation in a production process are a result of the design of the product and production system.

a. True

b. False

ANSWER: True

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.06 Variation and Statistical Thinking

KEYWORDS: Bloom's: Knowledge

22. Special causes of variation in a production process arise from internal sources that are inherent in the process.

a. True

b. False

ANSWER: False

DIFFICULTY: Difficulty: Moderate ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.06 Variation and Statistical Thinking

KEYWORDS: Bloom's: Knowledge

23. A quality management system represents a specific implementation of quality concepts, standards, methods, and tools, and is unique to an organization.

tools, and is unique to an organiz

a. True

b. False

ANSWER: True

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.07 Quality Management Systems

KEYWORDS: Bloom's: Knowledge

24. The core of a QMS is focused on creating the goods and services that customers want.

a. True

b. False

ANSWER: True

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.07 Quality Management Systems

25. The ISO 9000:1994 series standards were intended to provide confidence to customers and other stakeholders that quality requirements are being achieved in the delivered product.

a. Trueb. False

ANSWER: True

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.07 Quality Management Systems

KEYWORDS: Bloom's: Knowledge

26. The ISO 9001 requirement for audits forces an organization to review its quality system on a routine basis.

a. True

b. False

ANSWER: True

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.07 Quality Management Systems

KEYWORDS: Bloom's: Knowledge

27. Japanese scientists and Engineers established the Deming application prize in 1951 to recognize companies that show a high level of achievement in:

a. variation of production processes.

b. human resource policies.

c. developing innovative products.

d. quality practices.

ANSWER: d

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.01 The Deming Philosophy

28.	According to Deming, a product or service possesses quality if:  a. the production process engages more workforce.  b. the cost of the product or service exceeds its benefit.  c. it enjoys a sustainable market.  d. it shows variations in its production process.		
	ANSWER:	c	
	DIFFICULTY: ACCREDITING STANDARDS:	Difficulty: Moderate  BUSPROG: Analytic  DISC: Operations Management	
	TOPICS:	DESC.EVAB.17.02.01 The Deming Philosophy	
	KEYWORDS:	Bloom's: Knowledge	
29.	In Deming's view,is the classical concurrent engineering b. variation c. agility of the production process d. low level of tolerance in manus	SS SS	
	ANSWER:	b	
	DIFFICULTY:	Difficulty: Easy	
	ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management	
	TOPICS:	DESC.EVAB.17.02.01 The Deming Philosophy	
	KEYWORDS:	Bloom's: Knowledge	
30.	The theory states that improvements in quality lead to lower costs because they result in less rework, fewer histakes, fewer delays and snags, and better use of time and materials. Lower costs, in turn, lead to productivity improvements.  Outine Company of the cost of the cos		
	ANSWER:	d	
	DIFFICULTY:	Difficulty: Easy	
	ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management	
	TOPICS:	DESC.EVAB.17.02.01 The Deming Philosophy	
	KEYWORDS:	Bloom's: Knowledge	

31.	competitive position lies with	g's 14 points for quality improvement, the responsibility of improving a firm's
	a. top management	
	b. suppliers	
	c. middle management	
	d. employees	
	ANSWER:	a
	DIFFICULTY:	Difficulty: Easy
	ACCREDITING STANDARDS:	·
		DISC: Operations Management
	TOPICS:	DESC.EVAB.17.02.01 The Deming Philosophy
	KEYWORDS:	Bloom's: Knowledge
32.	A company and the people in the relearn many older ones. This is a. organizational designing b. organizational learning c. organizational structuring d. organizational engineering	company need to continually renew themselves to take in new approaches and called
	ANSWER:	b
	DIFFICULTY:	Difficulty: Easy
	ACCREDITING STANDARDS:	BUSPROG: Analytic
		DISC: Operations Management
	TOPICS:	DESC.EVAB.17.02.01 The Deming Philosophy
	KEYWORDS:	Bloom's: Knowledge
33.	Deming synthesized the underlying are called:	ng foundations of the 14 Points of improving quality into four simple elements which
	a. basic elements of improvemen	t.
	b. absolutes of quality management.	
	c. the four steps to total quality control.	
	d. a system of profound knowledge.	
	ANSWER:	d
	DIFFICULTY:	Difficulty: Easy
	ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
	TOPICS:	DESC.EVAB.17.02.01 The Deming Philosophy
	KEYWORDS:	Bloom's: Knowledge

34.	<ul><li>Which of the following is one of</li><li>a. Quality leadership</li><li>b. Suboptimization</li><li>c. Understanding variation</li><li>d. Modern quality technology</li></ul>	the four elements of Deming's system of profound knowledge?
	ANSWER: DIFFICULTY: ACCREDITING STANDARDS:	·
	TOPICS: KEYWORDS:	DISC: Operations Management DESC.EVAB.17.02.01 The Deming Philosophy Bloom's: Knowledge
35.	A is a set of functions or a a. quincunx b. schema c. hidden factory d. system	activities within an organization that work together for the aim of the organization.
	ANSWER: DIFFICULTY: ACCREDITING STANDARDS: TOPICS: KEYWORDS:	d Difficulty: Easy BUSPROG: Analytic DISC: Operations Management DESC.EVAB.17.02.01 The Deming Philosophy Bloom's: Knowledge
36.	Which of the following terms ref a. Hidden factory b. Six sigma c. Quincunx d. Balanced scorecard	Fers to a device that illustrates a natural process of variation?
	ANSWER: DIFFICULTY: ACCREDITING STANDARDS: TOPICS: KEYWORDS:	c Difficulty: Easy BUSPROG: Analytic DISC: Operations Management DESC.EVAB.17.02.01 The Deming Philosophy Bloom's: Knowledge

- 37. According to Peter Scholtes, a noted consultant, when people don't understand systems:
  - a. they try to resist the process of change.
  - b. they are less likely to distinguish between fact and opinion.
  - c. they see the symptoms but not the deep causes of problems.
  - d. they don't see events as individual incidents but assume it to be the combined result of several independent forces.

ANSWER: c

DIFFICULTY: Difficulty: Moderate ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.01 The Deming Philosophy

KEYWORDS: Bloom's: Knowledge

- 38. According to Peter Scholtes, a noted consultant, when people don't understand variation:
  - a. they see trends where there are none.
  - b. they are more likely to distinguish between fact and opinion.
  - c. they know when expectations are realistic.
  - d. they don't see events as individual incidents.

ANSWER:

DIFFICULTY: Difficulty: Moderate ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC:** Operations Management

TOPICS: DESC.EVAB.17.02.01 The Deming Philosophy

KEYWORDS: Bloom's: Knowledge

- 39. Which of the following is the difference between Deming's and Juran's quality philosophy?
  - a. Juran made top management commitment an absolute necessity.
  - b. Juran sought to improve quality by working within the system familiar to managers.
  - c. Juran demonstrated that quality management practices will save, not cost money.
  - d. Juran viewed quality as imperative in the future competitiveness in global markets.

ANSWER: b

DIFFICULTY: Difficulty: Moderate ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.02 The Juran Philosophy

- 40. In Juran's quality trilogy, the process of preparing to meet quality goals is called:
  - a. quality planning.
  - b. quality control.
  - c. quality improvement.
  - d. quality leadership.

ANSWER: a

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.02 The Juran Philosophy

KEYWORDS: Bloom's: Knowledge

- 41. In Juran's quality trilogy, the process of meeting quality goals during operations is called:
  - a. quality control.
  - b. quality planning.
  - c. quality leadership.
  - d. quality improvement.

ANSWER: a

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.02 The Juran Philosophy

KEYWORDS: Bloom's: Knowledge

- 42. In Juran's quality trilogy, the process of breaking through to unprecedented levels of performance is called:
  - a. quality improvement.
  - b. quality control.
  - c. quality planning.
  - d. quality leadership.

ANSWER:

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.02 The Juran Philosophy

43.	In accordance with Juran's break journey from symptom to cause is a. remedial journey.	through sequence, the path from problem to solution consists of two journeys: the s called:
	b. diagnostic journey.	
	c. continuous improvement.	
	d. breakthrough improvement.	
	ANSWER:	b Bigg is F
	DIFFICULTY:	Difficulty: Easy
	ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
	TOPICS:	DESC.EVAB.17.02.02 The Juran Philosophy
	KEYWORDS:	Bloom's: Knowledge
44.		rformance measurement is the cost of quality, which is the expense of erformance standard is "Zero Defects (ZD)."
	ANSWER:	d
	DIFFICULTY:	Difficulty: Easy
	ACCREDITING STANDARDS:	• •
		DISC: Operations Management
	TOPICS:	DESC.EVAB.17.02.03 The Crosby Philosophy
	KEYWORDS:	Bloom's: Knowledge
45.	The essence of Crosby's quality parameters are absolutes of quality managements but the breakthrough sequence. c. quality trilogy. d. Deming chain reaction theory.	
	ANSWER:	a
	DIFFICULTY:	Difficulty: Easy
	ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
	TOPICS:	DESC.EVAB.17.02.03 The Crosby Philosophy
	KEYWORDS:	Bloom's: Knowledge

46. Which of the following points about Crosby's absolutes of quality management is true? a. Doing jobs right the first time is expensive. b. Quality means conformance to elegance, not requirements. c. The only performance measurement is the cost of quality. d. The burden of responsibility for solving quality problems falls only on the quality department. **ANSWER:** DIFFICULTY: Difficulty: Moderate ACCREDITING STANDARDS: BUSPROG: Analytic **DISC: Operations Management** TOPICS: DESC.EVAB.17.02.03 The Crosby Philosophy **KEYWORDS**: Bloom's: Knowledge 47. According to Crosby, is a performance standard which involves concentrating on preventing defects rather than just finding and fixing them. a. zero defects b. continuous improvement c. Baldrige criteria d. breakthrough improvement ANSWER: a DIFFICULTY: Difficulty: Easy ACCREDITING STANDARDS: BUSPROG: Analytic **DISC:** Operations Management TOPICS: DESC.EVAB.17.02.03 The Crosby Philosophy **KEYWORDS:** Bloom's: Knowledge 48. Which of the following was one of Crosby's basic elements of improvement? a. Agility b. Variation c. Implementation d. Suboptimization **ANSWER:** c DIFFICULTY: Difficulty: Easy

**DISC: Operations Management** 

Bloom's: Knowledge

DESC.EVAB.17.02.03 The Crosby Philosophy

TOPICS:

**KEYWORDS**:

ACCREDITING STANDARDS: BUSPROG: Analytic

49.	Which one of the following Cros quality improvement seriously? a. Determination b. Variation c. Implementation d. Suboptimization	by's basic elements of improvement means that the top management must take
	ANSWER:	a
	DIFFICULTY:	Difficulty: Easy
	ACCREDITING STANDARDS:	• •
	ACCREDITING STANDARDS.	DISC: Operations Management
	TOPICS:	DESC.EVAB.17.02.03 The Crosby Philosophy
	KEYWORDS:	Bloom's: Knowledge
50.	Feigenbaum defined the term as an effective system for integrating the quality development, quality maintenance, and quality improvement efforts of the various groups in an organization so as to enable production and service at the most economical levels which allow full customer satisfaction.  a. absolutes of quality management  b. basic elements of improvement  c. quality trilogy  d. total quality control	
	ANSWER:	d
	DIFFICULTY:	Difficulty: Easy
	ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
	TOPICS:	DESC.EVAB.17.02.04 Other Quality Philosophers
	KEYWORDS:	Bloom's: Knowledge
51.	Feigenbaum popularized the term a. exponential distribution b. hidden factory c. quincunx d. quality trilogy	n, which described the portion of plant capacity wasted due to poor quality.
	ANSWER:	b
	DIFFICULTY:	Difficulty: Easy
	ACCREDITING STANDARDS:	• •
	TOPICS:	DESC.EVAB.17.02.04 Other Quality Philosophers
	KEYWORDS:	Bloom's: Knowledge

- 52. Which of the following is one of the key elements of Dr. Ishikawa's quality philosophy?
  - a. Data with dispersion information are false data.
  - b. Personnel management is the entrance and exit of quality.
  - c. Remove the symptoms, not the root cause.
  - d. Quality begins with education and ends with education.

ANSWER:

DIFFICULTY: Difficulty: Moderate ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.04 Other Quality Philosophers

KEYWORDS: Bloom's: Knowledge

- 53. Who among the following influenced the development of a participative, bottom-up view of quality, which became the trademark of the Japanese approach to quality management?
  - a. Joseph Juran
  - b. A.V.Feigenbaum
  - c. Kaoru Ishikawa
  - d. Philip.B.Crosby

ANSWER: c

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.04 Other Quality Philosophers

KEYWORDS: Bloom's: Knowledge

54. Dr. Ishikawa is best known for developing a popular quality improvement tool called . .

a. u-chart

b. process capability index

c. histogram

d. cause-and-effect diagram

ANSWER:

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.04 Other Quality Philosophers

55.	. According to the characterization of total quality by James W. Dean, Jr. and David E. Bowen, are considered the foundation of the quality philosophy.	
	a. practices	
	b. techniques	
	c. principles	
	d. variations	
	ANSWER:	c
	DIFFICULTY:	Difficulty: Easy
	ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
	TOPICS:	DESC.EVAB.17.02.05 Principles, Practices, and Techniques of Quality Management
	KEYWORDS:	Bloom's: Knowledge
56.	Which of the following principles supports statistical thinking, a philosophy of learning and action?  a. Variations make it easy to understand root causes in a production process issue.	
	b. Understanding and increasing	variation are keys to success.
	c. Variation exists in all processes	es.
	d. All work occurs in a system o	f independent processes.
	ANSWER:	c
	DIFFICULTY:	Difficulty: Moderate
	ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
	TOPICS:	DESC.EVAB.17.02.06 Variation and Statistical Thinking
	KEYWORDS:	Bloom's: Knowledge
57.	_	of the product and production system and generally nt of the observed variation in the output of a production
	ANSWER:	b
	DIFFICULTY:	Difficulty: Easy
	ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
	TOPICS:	DESC.EVAB.17.02.06 Variation and Statistical Thinking
	KEYWORDS:	Bloom's: Knowledge

58.	processes and create unwanted vaccommon causes of variation.  a. red beads	experiment is to show that people can and do affect the outcomes of many ariation by "tampering" with the process, or indiscriminately trying to remove
	<ul><li>b. hidden factory</li><li>c. quincunx</li><li>d. funnel</li></ul>	
	ANSWER:	d
	DIFFICULTY:	Difficulty: Easy
	ACCREDITING STANDARDS:	• •
	TOPICS:	DESC.EVAB.17.02.06 Variation and Statistical Thinking
	KEYWORDS:	Bloom's: Knowledge
59.	With regard to quality managemachieving high quality and meeting a. quality policy b. quality memorandum c. quality trilogy d. quality minute book	ent systems, is a formal document that demonstrates a commitment to ng customer expectations.
	ANSWER:	a
	DIFFICULTY:	Difficulty: Easy
	ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
	TOPICS:	DESC.EVAB.17.02.07 Quality Management Systems
	KEYWORDS:	Bloom's: Knowledge
60.	With regard to quality managem and maintaining the system. a. minute book b. manual c. policy d. trilogy	ent systems, a quality serves as a permanent reference for implementing
	ANSWER:	b
	DIFFICULTY:	Difficulty: Easy
	ACCREDITING STANDARDS:	BUSPROG: Analytic DISC: Operations Management
	TOPICS:	DESC.EVAB.17.02.07 Quality Management Systems
	KEYWORDS:	Bloom's: Knowledge

61. The first point in Deming's 14 points for improving quality is "Create a vision and demonstrate commitment." Explain this point.

ANSWER: Create a vision and demonstrate commitment is the first point in Deming's 14

points for improving quality. An organization must define its values, mission, and

vision of the future to provide long-term direction for its management and

employees. Deming believed that businesses should not exist simply for profit; they are social entities whose basic purpose is to serve their customers and employees. To fulfill this purpose, they must take a long-term view, invest in innovation, education, and training, and take responsibility for providing jobs and improving a firm's competitive position. This responsibility lies with top management. Effective leadership begins with commitment, but making a commitment to quality and performance excellence is still difficult for managers. Even when managers have

conducted a thorough assessment of their organization and know what they need to change, many do not effectively follow up on opportunities.4 Reasons range from

denial to excuses.

DIFFICULTY: Difficulty: Moderate ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.01 The Deming Philosophy

KEYWORDS: Bloom's: Knowledge

62. What is a quincunx?

ANSWER: A device called a quincunx illustrates a natural process of variation. In a quincunx,

small balls are dropped from a hole in the top and hit a series of pins as they fall toward collection boxes. The pins cause each ball to move randomly to the left or

the right as it strikes each pin on its way down.

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.01 The Deming Philosophy

KEYWORDS: Bloom's: Knowledge

63. List the steps taken by Japanese organizations as a result of Juran's leadership.

ANSWER: The steps taken by Japanese organizations as a result of Juran's leadership are:

1. Directing quality from the senior management level

2. Training the entire management hierarchy in quality principles

3. Striving to improve quality at a revolutionary rate

4. Reporting progress on quality goals to executive levels

5. Involving the workforce in quality

6. Revising the reward and recognition structure to include quality

DIFFICULTY: Difficulty: Moderate ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.02 The Juran Philosophy

64. Describe the similarities in the quality improvement philosophies of Deming, Juran, and Crosby.

ANSWER: Despite their significant differences to implementing organizational change, the

philosophies of Deming, Juran, and Crosby are more alike than different. Each views quality as imperative in the future competitiveness in global markets; makes top management commitment an absolute necessity; demonstrates that quality management practices will save, not cost money; places responsibility for quality on management, not the workers; stresses the need for continuous, never-ending

improvement; acknowledges the importance of the customer and strong management/worker partnerships; and recognizes the need for and difficulties

associated with changing the organizational culture.

DIFFICULTY: Difficulty: Moderate ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC:** Operations Management

TOPICS: DESC.EVAB.17.02.03 The Crosby Philosophy

KEYWORDS: Bloom's: Knowledge

65. Describe the three steps to quality which summarize Feigenbaum's quality philosophy.

ANSWER: Feigenbaum's philosophy is summarized in his three steps to quality:

1. Quality Leadership: A continuous management emphasis is grounded on sound planning rather than reaction to failures. Management must maintain a constant

focus and lead the quality effort.

2. Modern Quality Technology: The traditional quality department cannot resolve 80 percent to 90 percent of quality problems. This task requires the integration of office staff as well as engineers and shop-floor workers in the process who continually evaluate and implement new techniques to satisfy customers in the

future.

3. Organizational Commitment: Continuous training and motivation of the entire workforce as well as an integration of quality in business planning indicate the importance of quality and provide the means for including it in all aspects of the

firm's activities.

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

BUSPROG: Reflective Thinking DISC: Operations Management

TOPICS: DESC.EVAB.17.02.04 Other Quality Philosophers

66. Identify the contract manufacturer of precision sheet metal and machined components for telecommunications
semiconductor, and medical equipment industries, located in Garland, Texas.

a. Sears

b. KARLEE

c. ISO 9001

d. Crosby

ANSWER: b

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.10 Quality in Practice: Bringing Quality Principles to Life at

**KARLEE** 

KEYWORDS: Bloom's: Knowledge

- 67. How does KARLEE provide a vertically integrated range of services that support customers from initial component design to a finished, assembled product?
  - a. Advanced design engineering support
  - b. No prototype production
  - c. No manufacturing
  - d. Lack of value-added assembly

ANSWER: a

DIFFICULTY: Difficulty: Moderate ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.10 Quality in Practice: Bringing Quality Principles to Life at

**KARLEE** 

KEYWORDS: Bloom's: Knowledge

- 68. Which of the following companies had an annual average increase in sales growth of 35 percent from 1995 to 2000, and high levels of customer and employee satisfaction, and quality and operational performance?
  - a. Bloomingdale's
  - b. Shake Shack
  - c. KARLEE
  - d. Biltmore hotels

ANSWER: c

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.10 Quality in Practice: Bringing Quality Principles to Life at

**KARLEE** 

69. Which of the following is NOT one of KARLEE's principles of total quality?

a. Customer focus

b. Unobstructed approach

c. Leadership

d. Involvement of people

ANSWER: b

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.10 Quality in Practice: Bringing Quality Principles to Life at

**KARLEE** 

KEYWORDS: Bloom's: Knowledge

70. Briefly describe KARLEE's position on leadership.

ANSWER: Senior Executive Leaders (SELs) and the KARLEE Leadership Committee

(KLC) set the strategic direction of the company, and communicate and reinforce

values and expectations through performance reviews, participation in

improvement or strategic projects, regular interactions with customers and team

members, and recognition of team member achievements.

DIFFICULTY: Difficulty: Moderate ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.10 Quality in Practice: Bringing Quality Principles to Life at

KARLEE

KEYWORDS: Bloom's: Knowledge

71. How do KARLEE's mutually beneficial supplier relationships work?

ANSWER: KARLEE selects and develops suppliers that share their commitment to customer

satisfaction to ensure they have the materials and services needed to support their customers. Supplier performance issues and expectations are discussed with

individual suppliers and presented at the annual Supplier Symposium.

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.10 Quality in Practice: Bringing Quality Principles to Life at

**KARLEE** 

72. KARLEE's steps of customer focus, leadership, involvement of people, process approach, system approach, continual improvement, and factual approach are collectively called the:

a. KARLEE code.

b. gold standard.

c. exemplification of principles of total quality in its business practices.

d. standards of care.

ANSWER:

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.10 Quality in Practice: Bringing Quality Principles to Life at

KARLEE

KEYWORDS: Bloom's: Knowledge

73. List KARLEE's three values.

ANSWER: The three values adhered to in the KARLEE organization are:

a. a systematic approach to business and performance management,

b. a desire for long-term partnerships, and

c. global leadership.

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.10 Quality in Practice: Bringing Quality Principles to Life at

KARLEE

KEYWORDS: Bloom's: Knowledge

74. At KARLEE, each customer is assigned a(n) that is on call 24 hours a day for day-to-day production issues.

a. technical representative

b. agent

c. three-person customer service team

d. contact

ANSWER:

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.10 Quality in Practice: Bringing Quality Principles to Life at

**KARLEE** 

75. At KARLEE, the strategic direction of the company is set by .

a. mid-level executives

b. the president

c. a committee

d. SELs (Senior Executive Leaders)

ANSWER:

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.10 Quality in Practice: Bringing Quality Principles to Life at

**KARLEE** 

KEYWORDS: Bloom's: Knowledge

76. By the end of 2002, all of the 32 carry in service centers of sears, Roebuck and Co., were registered to ...

a. ISO 9407

b. ISO 9141

c. ISO 9001

d. ISO 9126

ANSWER:

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.11 Quality in Practice: ISO 9000 and Sears' Quality

Management System

KEYWORDS: Bloom's: Knowledge

77. What was the major hurdle faced by Sears during the implementation of ISO 9001?

ANSWER: ISO 9001 implementation played a large role in assisting with process

standardization across the company. ISO 9001 is often associated with the manufacturing industry, and one major hurdle Sears had to overcome was communicating the value of a QMS within a retail and service environment.

DIFFICULTY: Difficulty: Moderate ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.11 Quality in Practice: ISO 9000 and Sears' Quality

Management System

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Chapter 2 - Foundations of Quality Management

78. Give an example to show that ISO 9001 became a fundamental tool that provides Sears a safe base for continued improvements.

ANSWER:

ISO 9001 became a fundamental tool that provides the company a safe base for continued improvements. For example, Sears has made dramatic improvements in calibrating the tools used for repairs and service calls. Although the company had calibrated some of its tools prior to implementing ISO 9001, the standard requires 100-percent tool calibration for safety purposes. Not only does Sears have an expansive program for calibrating its tools, but it has also opened and registered its

own calibration lab to ISO/IEC 17025.

DIFFICULTY: Difficulty: Moderate ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.11 Quality in Practice: ISO 9000 and Sears' Quality

Management System

KEYWORDS: Bloom's: Knowledge

79. Give an example to show that the ISO 9001 implementation has helped Sears' efficiency in completing repairs.

ANSWER: The ISO 9001 standard helped Sears' efficiency in completing repairs. For instance,

in the Chattanooga, Tennessee, carry-in facility, the average daily completion rate for repairing lawn mowers or other items doubled from four or five to eight or nine

per repairman as a result of ISO 9001 implementation.

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.11 Quality in Practice: ISO 9000 and Sears' Quality

Management System

KEYWORDS: Bloom's: Knowledge

80. With regard to Quality Management System, define recall rate. Explain with an example how the technician recall rate has improved at Sears' because of the quality management system.

ANSWER: The recall rate is the percentage of times service technicians must return to

customers' homes for a second time within 30 days. Sears' district office in Houston has improved its technician recall rate because of the QMS.Before the SST, the recall rate in Houston was about 12 percent. In 2004, Houston service technicians made more than a quarter of a million service calls, with a 9.3-percent

recall rate. In 2005, the rate dropped to 7.9 percent.

DIFFICULTY: Difficulty: Easy

ACCREDITING STANDARDS: BUSPROG: Analytic

**DISC: Operations Management** 

TOPICS: DESC.EVAB.17.02.11 Quality in Practice: ISO 9000 and Sears' Quality

Management System